

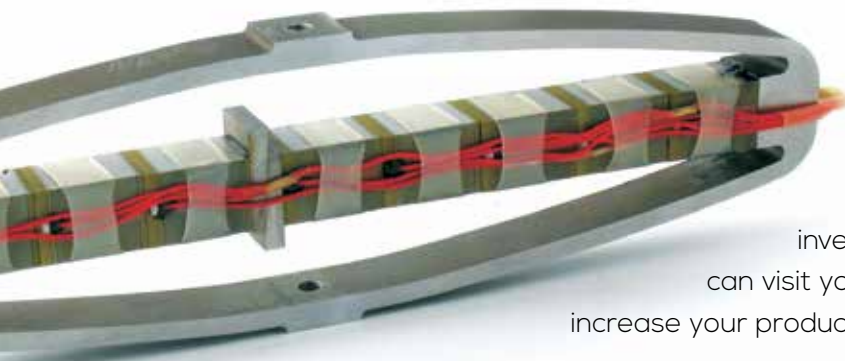


innovation
in motion

ORLIN Technologies Ltd
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ORLIN Technologies Ltd has been providing solutions in precision motion control technology for a decade. We are industry specialists based in the UK and deliver high quality complete systems and components in motion control, micro and nano-positioning solutions and related products for science, industry and manufacturing.

As products become more compact and features become even smaller, the need to manipulate small objects, tiny distances, with great accuracy, has increased enormously. ORLIN Technologies has teamed up with the leading international manufacturers in their respective fields to bring you the most innovative and reliable products on the market. Our expertise means that we are able to offer a full technical support service whilst providing the very best value for money to our customers.



We can provide components for an existing automated production line through to individual components for small projects. Our customers include multi-national manufacturers, industrial production specialists, universities, entrepreneurs and inventors. We have experienced engineers who can visit your site and discuss how ORLIN's products can increase your productivity and profitability.

We provide applications and solutions to a range of customers in education, scientific research, industry, manufacturing, packaging, automotive and aerospace.



Visit www.orlin.co.uk for full details of our range of products and example applications



Moving Coil Actuators



Voice coil (or moving coil) actuators and positioning stages are unique in that their force, position, acceleration and velocity are freely and totally programmable.

Utilising SMAC's proprietary linear motor technology, they are designed to perform at exceptionally high speeds and with a very high degree of accuracy and repetition.

High quality materials, heavy duty linear guides and careful design minimise the number of wearing parts resulting in an incredibly long-lived device. Life times of several hundred-million cycles are commonplace.

Piezo Actuators



Developed for highly dynamic applications in the space industry, ORLIN Technologies is the exclusive UK distributor of piezo actuators from CEDRAT TECHNOLOGIES.

Application fields include precise and rapid actuation, optics, instrumentation and active control of vibrations. To meet the varying demands of these applications, CEDRAT TECHNOLOGIES have developed three distinct families of standard piezoelectric actuators with their corresponding drivers and controllers:

- Parallel Pre-stressed Actuators (PPA)
- Amplified Piezoelectric Actuators (APA®)
- Piezo Actuator Mechanisms
- Drivers & Controllers





Smart Motor Devices



SMART MOTOR
DEVICES

Introducing our NEW range of products from Smart Motor Devices. These are brand new to the UK market and currently exclusively available through ORLIN Technologies Ltd.

An extensive range of innovative brushed and brushless motors, stepper motors, controllers and drivers, at extremely competitive prices, means that our range of specialist products is now more accessible than ever before.



Opto-Mechanics

OPM 匠星光電
Optomechanics Manufacturer

ORLIN Technologies is the UK distributor for the extensive range of products from OpMount Instrument Inc, Taiwan through our e-commerce site www.opto-mechanics.co.uk. Our range of quality opto-mechanical components includes;

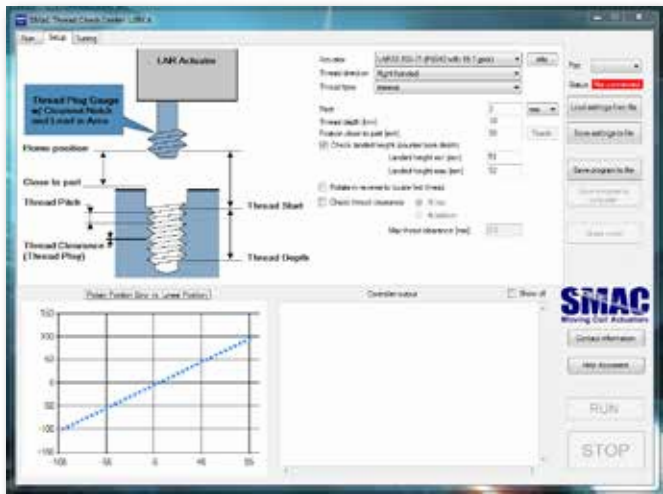
- Manual linear and rotary positioning stages
- Motorised linear and rotary positioning stages
- Precision adjustable lens, mirror and prism mounts
- Micrometers and fine-pitch screws
- Mounting posts and rails
- Breadboards and brackets
- Associated components



Automated Screw Thread Checker

Higher throughput, lower costs and increased customer confidence

ORLIN Technologies presents the automated screw thread inspection system. This automates screw thread checking, using the latest technology based on the range of linear/rotary moving coil actuators from SMAC.



Automating the manual thread gauge method, the ORLIN solution can automatically check for:

- Minor diameter
- Major diameter
- Pitch diameter
- Pitch
- Foreign objects (swarf, broken tap etc.)
- Double tapped thread
- Thread depth
- Missing threads
- Cylindricity

The system can be used with blind or through holes, internal or external threads. It is easily incorporated into a production environment or available as an OEM version to integrate as you wish. The screw thread check will give definitive pass/fail checks of thread quality, at high speed and low cost.

Our custom software acquires data directly from the thread checker, meaning that tool wear becomes apparent sooner, increasing the quality of all your parts and ensuring top-notch quality control.

